OIPE

RAW SEQUENCE LISTING DATE: 07/05/2001 PATENT APPLICATION: US/09/881,823 TIME: 11:17:39

Input Set : A:\PTO.txt

Output Set. N:\CRF3\07052001\I881823.raw

	4 5 6 7	<110	Al Mo Tl W	NDER: ORRI: RINH IMS,	SON, SON, , RYA LETI	MAXI SHE: AN	WELL		AN							,	EN	T	ER	ED
	8 10	:120		H EN , ITLE		INVE	NTIO	N: M	etho	d fo	r th	e Tr	eatme	ent a	and :	Prev	ention	of	Dental	Caries
		:130																		
C>												/881	, 823							
C>		150										78,5°	77							
		.:151										,								
		-:160																		
		:170					entI	n ve	rsio	n 3.	0									
		21 <2100 SEQ ID NO 1																		
		22 <211: LENGTH: 420 23 -: 212: TYPE: DNA																		
		213				Mur	ine													
		-1220																		
		+:221																		
		-:222 -:400				(14) (415)												
		gggg					лас а	aca o	тас	aca -	at.a (ata a	eta 1	t.aa o	ata (cta (eta		49	
	32	9993	,								Leu 1									
	3.3				-	1				5					10					
		et.e																	97	
	3h 37	Leu	Trp	Val 15	Pro	GIY	Ser	Thr	G⊥у 20	Asp	He	Val	Leu	Thr 25	GIn	Ser	Pro			
		gt.t	tet		act.	ata	t.ct.	cta		caq	aσσ	acc	acc		tec	tac	aga		145	
		Val																		
	41		30					35					40							
		gcc	_	-	-	-	_	_				_		_					193	
	44	Ala	ser	G.Lu	ser	val	Asp 50	Ser	Tyr	GIY	Asn	ser 55	Pne	мет	Asn	Trp	Tyr 60			
		cag	caσ	aaa	cca	gga		cca	ccc	caa	ctc		atc	tat	cat	qca			241	
		Gln																		
	49					65					70					75				
		aat																	289	
	52 53	Asn	Leu	GIu	Туг 80	Gly	He	Pro	Ala	Arg 85	Phe	ser	GIA	ser	90 GIÀ	ser	arg			
		aca	gac	ttc		ctc	acc	att	aat		ata	gag	act	gat.		at.t.	qca		337	
		Thr																		
	57		-	95					100					105	_					
		acc																	385	
	6() 61	Thr		Tyr	Cys	Gln	Gln	Asn 115	Asn	Ala	Asp	Pro	Pro 120	Thr	Phe	GIA	GIY			
		ggg	110 acc	aag	t t a	gaa	atc		cat	aac	tea	acad							420	
	00	צבכ	acc	aug	9	gau	ucc	auu	cyc	uuy	ccg	acy								

RAW SEQUENCE LISTING

DATE 07/05/2001 TIME: 11:17:39

PATENT APPLICATION: US/09/881,823

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07052001\I881823.raw

64 Gly Thr Lys Leu Glu Ile Lys Arg Lys Ser 65 125 68 <210> SEQ ID NO: 2 69 (211> LENGTH: 134 70 -:212> TYPE: PRT 71 -: J13> ORGANISM: Murine 73 <400> SEQUENCE: 2 75 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro 10 79 Gly Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Val Ser Leu Ala 25 20 83 Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Glu Ser 40 87 Val Asp Ser Tyr Gly Asn Ser Phe Met Asn Trp Tyr Gln Gln Lys Pro 55 91 Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Ala Ser Asn Leu Glu Tyr 70 75 95 GLY The Pro Ala Arg Phe Ser Gly Ser Gly Ser Arg Thr Asp Phe Thr 90 99 Len Thr Ile Asn Pro Val Glu Ala Asp Asp Val Ala Thr Tyr Tyr Cys 105 110 100 100 103 Gln Gln Asn Asn Ala Asp Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu 115 120 107 Glu Ile Lys Arg Lys Ser 108 130 111 <210> SEQ ID NO: 3 112 ·211> LENGTH: 454 113 <212> TYPE: DNA 114 <213> ORGANISM: Murine 116 <220> FEATURE: 117 < 221> NAME/KEY: CDS 118 - 222 LOCATION: (14)..(430) 120 - 400> SEQUENCE: 3 49 121 guggatated acc atq gct gtd ttg ggg ctg ctd ttd tgd ctg gtg aca Met Ala Val Leu Gly Leu Leu Phe Cys Leu Val Thr 123 97 125 tto eca age tgt gte etg tee eag gtg eag etg aag gag tea gga eet 126 Phe Pro Ser Cys Val Leu Ser Gln Val Gln Leu Lys Glu Ser Gly Pro 129 gyd ctg gtg gdg ddd taa dag agd dtg tod atd ada tgd adt gtd tda 145 130 Gly Leu Val Ala Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr Val Ser 131 30 35 133 ggg tto toa tta acc aac tat gat ata aat tgg gtt cgc cag cct cca 193 134 Gly Phe Ser Leu Thr Asn Tyr Asp Ile Asn Trp Val Arg Gln Pro Pro 135 45 55 50 241 137 gga aag ggt etg gag tgg etg gga ata ata tqg ggt gae ggg age aca 138 Gly Lys Gly Leu Glu Trp Leu Gly Ile Ile Trp Gly Asp Gly Ser Thr 65 70 289 141 aat tat cat tea get ete ata tee aga etg age ate age aag gat aac

RAW SEQUENCE LISTING DATE: 07/05/2001 PATENT APPLICATION: US/09/881,823 TIME: 11:17:40

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07052001\1881823.raw

142	Asn	Tyr	His	Ser	Ala	Leu	Ile	Ser	Arg	Leu	Ser	Ile	Ser	Lys	Asp	Asn		
143		_		80					85					90				
			agc														3 3	7
	Ser	Lys	Ser 95	GIn	Пе	Phe	Leu	Lys 100	Leu	Asn	Ser	Leu	105	Thr	Asp	Asp		
$\begin{array}{c} 147 \\ 149 \end{array}$	aca	acc	acg	tac	tac	tat	aac		cca	tat	tta	tat		tat	aat	ato	38	5
			Thr														50	_
151		110		-1-	-1-	-1-	115			- 1 -		120		-				
153	gac	tac	tgg	ggt	caa	gga	acc	tea	gtc	acc	gtc	tct	tca	gat	agc		43	0
		Tyr	Trp	Gly	Gln	Gly	Thr	ser	Val	Thr	Val	Ser	Ser	Ala	Ser			
	125					130					135							
			ccc (ga co	cca										45	4
			EQ II															
			ENGTI YPE:		39													
			RGAN]		Mur	ine												
			EQUE			LIIC												
			Val			Leu	Leu	Phe	Cvs	Leu	Val	Thr	Phe	Pro	Ser	Cys		
168					5				- 1 -	10					15	1		
171	Val	Leu	Ser	Gln	Val	Gln	Leu	Lys	Glu	Ser	Gly	Pro	Gly	Leu	Val	Ala		
172				20					25					3()				
	Pro	Ser	Gln	Ser	Leu	Ser	Ile		Cys	Thr	Val	Ser		Phe	Ser	Leu		
176			35					40	_		_	_	45			_		
	Thr		Tyr	Asp	Ile	Asn		Val	Arg	GIn	Pro		GIA	Lys	GIY	Leu		
180	Clu	50 Trn	Leu	C111	т1 о	т10	55 Trp	Clu	A can	C117	cor	60 ⊞h∽	Acn	Tur	Uic	Sor		
184		тгр	ьеш	GIY	me	70	пр	G.i. y	Азр	СТУ	75	1111	ASII	171	nis	80		
		Leu	Ile	Ser	Ara		Ser	Ile	Ser	Lvs		Asn	Ser	Lys	Ser			
188					85					90				_1	95			
191	lle	Phe	Leu	Lys	Leu	Asn	Ser	Leu	Gln	Thr	Asp	Asp	Thr	Ala	Thr	Tyr		
192				100					105					11.0				
	Tyr	Cys	Asn	Tyr	Pro	Cys	Leu	_	Phe	Tyr	Gly	Met	_	Tyr	Trp	Gly		
196	() 1	. 7. 7	115		**- 7	m1.	rt - 1	120		. 1 -	a		125					
200	GIN	130	Thr	ser	val	Thr	va1 135	ser	ser	Ата	ser							
	<*^11€		EQ II	NO.	. 5		133											
			ENGTE															
			PE:															
			RGANI		Muri	ne												
208	<220	> FI	EATUF	₹E:														
209	<:221	> NA	AME/F	KEY:	CDS													
			CATI			(4	106)											
			EQUEN															_
	gggg	atat	cc a														4 9	9
$\frac{214}{215}$				м 1		sp E	ne G	Sln V		1 T T	те ғ	me s		ne i .0	ieu L	leu		
	ato	agt	gtc	_	_	ata	tta	-		gga	gaa	att			acc	cca	9.	7
			Val															
219			15					20		1			25					

RAW SEQUENCE LISTING

DATE: 07/05/2001 TIME: 11:17:40 PATENT APPLICATION: US/09/881,823

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07052001\1881823.raw

222		Pro	_			_	Ala				gaa Glu	Lys					145
223	+ ~ ~	30	~~~	3.07.07	+ 42	a art	35	201	+20	2 ± 4T	aac	40	+20	a a a	030	222	193
											Asn						193
227	-	001	2120	JUL	001	50	, 42	001	-1-	1100	55		- 1			60	
229	cca	gga	tct	tcc	CCC	aaa	atc	tgg	att	tat	ggt	gta	tcc	aac	ctg	gct	241
230	Pro	Gly	Ser	Ser	Pro	Lys	Ile	Trp	Ile	Tyr	Gly	Val	ser	Asn		Ala	
231					65					70					75		200
											ggg						289
234 235	ser	GTÀ	vair	80	Ald	Arg	Phe	ser	85	ser	Gly	261	СТУ	90	261	Рпе	
	tet	ttc	аса		aac	age	atα	gag		σаа	gat	art.t.	acc		t.a.t.	tac	337
											Asp						
239			95					100			-		105		•	-	
241	tgt	cag	caa	agg	agt	agt	tac	cca	ttc	acg	ttc	ggc	tcg	ggg	acc	aag	385
	Cys		Gln	Arg	Ser	Ser	\mathtt{Tyr}	Pro	Phe	Thr	Phe		Ser	Gly	Thr	Lys	
243		110					115					120					
	ctg	-			_	-	_	acgo	ct								411
	Leu	Glu	шe	Lуs	Arg	Lуs 130	Ser										
	125) < 01	דו מיק) NO	. 6	130											
	0 <210 > SEQ ID NO: 6 1 <211 > LENGTH: 131																
	<21:				, 1												
∠ 53	<210	3'> OI	RGANI	ISM:	Muri	ine											
255	400) > SI	EOUEI	ICE:	6												
			~														
257		Asp				Gln	Ile	Phe	Ser	Phe	Leu	Leu	Ile	ser	Val	Thr	
258	Met 1		Phe	Gln	Val 5					10					15		
258 261	Met 1		Phe	Gln Thr	Val 5				Leu	10	Leu Thr			Pro	15		
258 261 262	Met l Val	Ile	Phe Leu	Gln Thr 20	Val 5 Asn	Gly	Glu	Ile	Leu 25	10 Leu	Thr	Pro	Ser	Pro 30	15 Ala	Ile	
258 261 262 265	Met l Val	Ile	Phe Leu Ala	Gln Thr 20	Val 5 Asn	Gly	Glu	Ile Lys	Leu 25	10 Leu		Pro	ser Cys	Pro 30	15 Ala	Ile	
258 261 262 265 266	Met l Val Ile	Ile Ala	Phe Leu Ala 35	Gln Thr 20 Ser	Val 5 Asn Pro	Gly Gly	Glu Glu	Ile Lys 40	Leu 25 Val	10 Leu Thr	Thr	Pro Thr	Ser Cys 45	Pro 30 Ser	15 Ala Ala	Ile Ser	
258 261 262 265 266	Met l Val Ile	Ile Ala	Phe Leu Ala 35	Gln Thr 20 Ser	Val 5 Asn Pro	Gly Gly	Glu Glu	Ile Lys 40	Leu 25 Val	10 Leu Thr	Thr	Pro Thr	Ser Cys 45	Pro 30 Ser	15 Ala Ala	Ile Ser	
258 261 262 265 266 269 270	Met 1 Val Tle Ser	Ile Ala Ser 50	Phe Leu Ala 35 Val	Gln Thr 20 Ser	Val 5 Asn Pro Tyr	Gly Gly Met	Glu Glu Asn 55	Ile Lys 40 Trp	Leu 25 Val Tyr	10 Leu Thr Gln	Thr	Pro Thr Lys	Ser Cys 45 Pro	Pro 30 Ser Gly	15 Ala Ala Ser	Ile Ser Ser	
258 261 262 265 266 269 270 273 274	Met l val Ile Ser Pro 65	Ile Ala Ser 50 Lys	Phe Leu Ala 35 Val	Thr 20 Ser Ser	Val 5 Asn Pro Tyr Ile	Gly Gly Met Tyr 70	Glu Glu Asn 55 Gly	Ile Lys 40 Trp Val	Leu 25 Val Tyr Ser	10 Leu Thr Gln Asn	Thr Ile Gln Leu 75	Pro Thr Lys 60 Ala	Ser Cys 45 Pro	Pro 30 Ser Gly	15 Ala Ala Ser Val	Ile Ser Ser Pro	
258 261 262 265 266 270 273 274 277	Met l val Ile Ser Pro 65	Ile Ala Ser 50 Lys	Phe Leu Ala 35 Val	Thr 20 Ser Ser	Val 5 Asn Pro Tyr Ile Gly	Gly Gly Met Tyr 70	Glu Glu Asn 55 Gly	Ile Lys 40 Trp Val	Leu 25 Val Tyr Ser	10 Leu Thr Gln Asn Thr	Thr Ile Gln Leu	Pro Thr Lys 60 Ala	Ser Cys 45 Pro	Pro 30 Ser Gly	15 Ala Ala Ser Val Thr	Ile Ser Ser Pro	
258 261 262 265 266 269 270 273 274 277	Met 1 Val Ile Ser Pro 65 Ala	Ile Ala Ser 50 Lys Arg	Phe Leu Ala 35 Val Ile Phe	Thr 20 Ser Ser Trp	Val 5 Asn Pro Tyr 1le Gly 85	Gly Gly Met Tyr 70 Ser	Glu Glu Asn 55 Gly Gly	Ile Lys 40 Trp Val Ser	Leu 25 Val Tyr Ser Gly	10 Leu Thr Gln Asn Thr	Thr Ile Gln Leu 75 Ser	Pro Thr Lys 60 Ala Phe	Ser Cys 45 Pro Ser	Pro 30 Ser Gly Gly	15 Ala Ala Ser Val Thr 95	Ile Ser Ser Pro 80 Ile	
258 261 262 265 266 270 273 274 277 278 181	Met 1 Val Ile Ser Pro 65 Ala	Ile Ala Ser 50 Lys Arg	Phe Leu Ala 35 Val Ile Phe	Thr 20 Ser Ser Trp Ser	Val 5 Asn Pro Tyr 1le Gly 85	Gly Gly Met Tyr 70 Ser	Glu Glu Asn 55 Gly Gly	Ile Lys 40 Trp Val Ser	Leu 25 Val Tyr Ser Gly	10 Leu Thr Gln Asn Thr	Thr Ile Gln Leu 75	Pro Thr Lys 60 Ala Phe	Ser Cys 45 Pro Ser	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95	Ile Ser Ser Pro 80 Ile	
258 261 262 265 266 270 273 274 277 278 281 282	Met 1 Val Ile Ser Pro 65 Ala Asn	Ile Ala Ser 50 Lys Arg Ser	Phe Leu Ala 35 Val Ile Phe Met	Thr 20 ser Ser Trp Ser Glu 100	Val 5 Asn Pro Tyr Ile Gly 85 Ala	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Ile Lys 40 Trp Val Ser	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 269 270 273 274 277 278 281 282 285	Met 1 Val Ile Ser Pro 65 Ala Asn	Ile Ala Ser 50 Lys Arg Ser	Phe Leu Ala 35 Val Ile Phe Met Tyr	Thr 20 ser Ser Trp Ser Glu 100	Val 5 Asn Pro Tyr Ile Gly 85 Ala	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Ile Lys 40 Trp Val Ser	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 269 270 273 274 277 278 282 285 286	Met 1 Val Ile Ser Pro 65 Ala Asn	Ile Ala Ser 50 Lys Arg Ser Ser	Phe Leu Ala 35 Val Ile Phe Met Tyr 115	Thr 20 ser Ser Trp Ser Glu 100	Val 5 Asn Pro Tyr Ile Gly 85 Ala	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 270 273 274 277 278 181 282 285 286 289 290	Met l Val Ile Ser Pro 65 Ala Asn Ser Arg	Ile Ala Ser 50 Lys Arg Ser Ser Lys	Phe Leu Ala 35 Val Ile Phe Met Tyr 115 Ser	Thr 20 Ser Ser Trp Ser Glu 100 Pro	Val 5 Asn Pro Tyr Ile Gly 85 Ala Phe	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 270 273 274 277 281 282 285 286 289 290 293	Met 1 Val Ile Ser Pro 65 Ala Asn Ser Arg	Ile Ala Ser 50 Lys Arg Ser Lys 130 SI	Phe Leu Ala 35 Val Ile Phe Met Tyr 115 Ser	Thr 20 Ser Ser Trp Ser Glu 100 Pro	Val 5 Asn Pro Tyr Ile Gly 85 Ala Phe	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 270 273 274 277 285 285 286 290 293 294	Met 1 Val Ile Ser Pro 65 Ala Asn Ser Arg	Ile Ala Ser 50 Lys Arg Ser Lys 130 C SE	Phe Leu Ala 35 Val Ile Phe Met Tyr 115 Ser	Thr 20 Ser Ser Trp Ser Glu 100 Pro	Val 5 Asn Pro Tyr Ile Gly 85 Ala Phe	Gly Gly Met Tyr 70 Ser Glu	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 265 270 273 274 277 278 281 282 285 289 290 293 294 295	Met 1 Val Ile Ser Pro 65 Ada Asn Ser Arg	Ile Ala Ser 50 Lys Arg Ser Lys 130 > SE > LE	Phe Leu Ala 35 Val Ile Phe Met Tyr 115 Ser EQ IIENGTH	Thr 20 Ser Ser Trp Ser Glu 100 Pro	Val 5 Asn Pro Tyr Ile Gly 85 Ala Phe	Gly Gly Met Tyr 70 Ser Glu Thr	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	
258 261 262 265 266 270 273 274 277 278 285 285 289 293 294 295 296	Met 1 Val Ile Ser Pro 65 Ala Asn Ser Arg	Ile Ala Ser 50 Lys Arg Ser Lys 130 > SE > LE > TY S OF	Phe Leu Ala 35 Val Ile Phe Met Tyr 115 Ser EQ II ENGTH	Gln Thr 20 Ser Ser Trp Ser Glu 100 Pro NO: H 46 DNA	Val 5 Asn Pro Tyr Ile Gly 85 Ala Phe	Gly Gly Met Tyr 70 Ser Glu Thr	Glu Glu Asn 55 Gly Gly Asp	Lys 40 Trp Val Ser Val Gly	Leu 25 Val Tyr Ser Gly Ala 105	10 Leu Thr Gln Asn Thr 90 Thr	Thr Ile Gln Leu 75 Ser Tyr	Pro Thr Lys 60 Ala Phe Tyr	Ser Cys 45 Pro Ser Ser Cys Leu	Pro 30 Ser Gly Gly Phe	15 Ala Ala Ser Val Thr 95 Gln	Ile Ser Ser Pro 80 Ile Arg	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/881,823

DATE: 07/05/2001 TIME: 11:17:40

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07052001\1881823.raw

3()()	₹22	2> Le	OCAT	KEY:	(13)) (·	441)											
	2 :400> SEQUENCE: 7 3 aggatateca de atg gad agg ett act tet tea tte etg eta etg att gtt																	
	dad	atat	cca															51
304																		
305				1				5					1	_				
				gtc														99
	Pro		Tyr	Val	Leu	Ser		Val	Thr	Leu	Lys		Ser	Gly	Pro	Gly		
31))		15					20					25					-	
		_		CCC		-						_					Τ	47
		Leu	GIn	Pro	Ser		Thr	Leu	Ser	Leu		Cys	Ser	Phe	ser	_		
313		+			~~+	35	~ ~ ~ *		~~~		40	.		~~4		45	1	0.5
				aga			2- 2-			_	m- m-			_	_		Ŧ	95
317	Pne	ser	Leu	Arg	50	туг	ЭΤΆ	пе	СТА	55	СТА	ттр	тте	Arg	60 61n	Pro		
	tas	aaa	200	ggt		a a a	taa	ata	aca		a + +	taa	t aa	2.2.±		aat	2	43
				Gly	_			_	_						_		2	43
321	DOL	СТУ	Ary	65	пец	GLu	ттр	пеп	70	птэ	116	ттр	тър	75	АБР	ASII		
	ааσ	tac	tat	aac	aca	atc	ata	aaq	_	caa	ctc	aca	atc		ааσ	gat	2	91
				Asn													-	<i>-</i>
3.15	27,75	-1-	80	11011	* * * * * * * * * * * * * * * * * * * *	• • •	Бей	85	001	11129	шса		90	DCI	2,5			
	acc	t.cc		aac	caq	αta	ttc		aag	atc	acc	agt	ata	σac	act	gca	3	39
				Asn														
329		95					100		4			105		•				
331	qat	act	gcc	aca	tac	tac	tgt	gcg	cga	ata	gag	ggg	ggc	tcg	ggc	tac	3	87
				Thr														
333	110					115					120					125		
3 3 5	gat	gtt	atg	gac	tac	tgg	ggt	caa	gga	atc	tca	gtc	acc	gtc	tct	tca	4	35
336	Asp	Val	Met	Asp	Tyr	Trp	Gly	Gln	Gly	Ile	Ser	Val	Thr	Val	Ser	Ser		
3 3 7					130					135					140			
3 3 4	gat	agc	acaa	acaco	ccc c	catct	gtc	ga co	cca								4	65
	Ala																	
				ON C														
				H: 14	13													
	<212																	
				ISM:		.ne												
				NCE:		Com	Com	Dha	T 0.11	t ou	T 0.11	T1a	17.3	Dwo	7 l a	M···		
352		Asp	Arg	Leu	7 n r 5	ser	ser	Pne	Leu	Leu 10	Leu	тте	vaı	PLO	15	туг		
		Lou	Cor	Gln	_	Thr	LOU	Luc	Clu		Clu	Dro	C1+7	т1 о		Cln		
356	Val	ьец	ser	20	vai	1 111	Leu	цуз	25	SEI	СТУ	PIU	СТУ	30	пец	GIII		
	Dro	Ser	Gln	Thr	Leu	Sor	T.Q11	Thr		Sar	Dho	Ser	Glv		Sor	I All		
360		J (1	35	1111	Lou	DUL	⊥-,u	40	U _I S		1110	UUL	45	1 116	UCI	204		
	Ara	Thr		Gly	Ile	Glv	Va l		Tro	Ile	Ara	Gln		Ser	Glv	Ara		
364	5	50	-1-	1		1	55	1	E		9	60			1	3		
	Gly		Glu	Trp	Leu	Ala		Ile	Trp	Trp	Asn		Asn	Lys	Tyr	Tyr		
368	_			-		70			-	-	75	-		-	-	80		
371	Asn	Thr	Val	Leu	Lys	Ser	Arg	Leu	Thr	Ile	Ser	Lys	Asp	Thr	Ser	Asn		
372					85		-			90			-		95			
					F	- YI	i ,											
					,	, –	•											

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/881,823

DATE 07/05/2001 TIME 11:17:41

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07052001\1881823.raw

 $L:14\ M:270\ C:$ Current Application Number differs, Replaced Current Application No

L.14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L.637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L.641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17